

PATENT ABSTRACTS OF JAPAN

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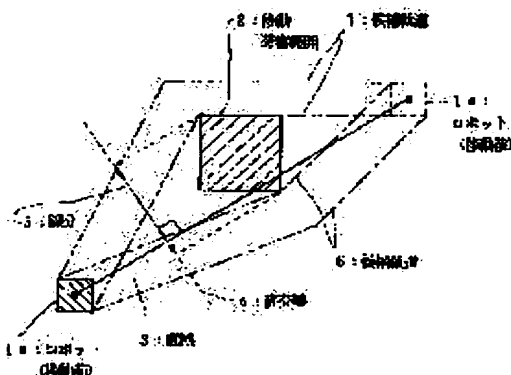
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(54) TRACK GENERATING METHOD FOR ROBOT

(57)Abstract:

PURPOSE: To automatically set the shortest distance track by simple algorithm in a short processing time by setting the shortest track as a new track without passing a movement trouble range when the track of the robot intersects a specific segment.

CONSTITUTION: When it is considered that an initial track is given along the straight line 3 connecting the positions Is and Ie of the robot before and after movement, the initial track has no obstacle present on it and is the shortest track unless the initial track crosses the segment 5. When the initial track crosses a segment 5, on the other hand, it is decided that the initial track is improper, candidate tracks which do not pass the movement trouble range 2 are set, and the track having the shortest distance among the candidate tracks 7 is set as a new track. Therefore, any complicate calculating method such as a dynamic calculating method need not be used.



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